

U.S. NUCLEAR REGULATORY COMMISSION
 In the Matter of Entergy Nuclear Vermont Yankee LLC
 Docket No. 50-271 Official Exhibit No. Entergy 38
 OFFERED by: Significant/Licensee Intervenor _____
 NRC Staff _____ Other _____
 IDENTIFIED on 9/13/06 Witness/Panel _____
 Action Taken: ADMITTED REJECTED WITHDRAWN
 Reporter/Clerk: MAC

Parameter	VY	Brunswick	Comment
Power Density, MW/assembly	5.2	5.2	Equivalent
Number of Fuel Assemblies	368	560	VY has 34% less fuel and correspondingly lower steam flow than Brunswick.
Steam Line Length, ft.	331	391	VY has 15% smaller length, though the stem flow is correspondingly less than Brunswick.
Safety and Relief Capacity, % of Steam	60	56	Equivalent
Bypass capacity, % of Steam	86	69	VY has 25% greater capacity resulting in milder pressure rise following a turbine/generator trip.
Turbine Valve Closure Time, sec.	≤ 0.1	≤ 0.1	Equivalent
Main Steam Valve Closure Time, sec.	≤ 5.0	≤ 5.0	Equivalent
SCRAM Insertion Time, sec.	≤ 3.5	≤ 3.5	Equivalent

DOCKETED
 USNRC

September 19, 2006 (3:37 pm)

OFFICE OF SECRETARY
 RULEMAKINGS AND
 ADJUDICATIONS STAFF